



9

SEQUENCE LISTING

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<120> NS5B HCV Polymerase Inhibitors

<130> 018781-005810US

<140> US 09/828,270

<141> 2001-04-05

<150> US 60/194,912

<151> 2000-04-05

<160> 1

<170> PatentIn Ver. 2.1

<210> 1

<211> 591

<212> PRT

<213> Hepatitis C virus

<220>

<223> HCV NS5B RNA-dependent RNA polymerase (RdRp)
(EC 2.7.7.48)

<400> 1

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Met | Ser | Tyr | Thr | Trp | Thr | Gly | Ala | Leu | Ile | Thr | Pro | Cys | Ala | Ala |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Glu | Glu | Ser | Lys | Leu | Pro | Ile | Asn | Pro | Leu | Ser | Asn | Ser | Leu | Leu | Arg |
| | | 20 | | | | | | 25 | | | | | 30 | | |
| His | His | Ser | Met | Val | Tyr | Ser | Thr | Ser | Arg | Ser | Ala | Ser | Leu | Arg | |
| | | 35 | | | | | 40 | | | | 45 | | | | |
| Gln | Lys | Lys | Val | Thr | Phe | Asp | Arg | Leu | Gln | Val | Leu | Asp | Asp | His | Tyr |
| | 50 | | | | | 55 | | | | 60 | | | | | |
| Arg | Asp | Val | Leu | Lys | Glu | Met | Lys | Ala | Lys | Ala | Ser | Thr | Val | Lys | Ala |
| | 65 | | | | 70 | | | | | 75 | | | | 80 | |
| Arg | Leu | Leu | Ser | Ile | Glu | Glu | Ala | Cys | Lys | Leu | Thr | Pro | Pro | His | Ser |
| | | | 85 | | | | | 90 | | | | | | 95 | |
| Ala | Lys | Ser | Lys | Phe | Gly | Tyr | Gly | Ala | Lys | Asp | Val | Arg | Ser | Leu | Ser |
| | | 100 | | | | | | 105 | | | | | 110 | | |
| Ser | Arg | Ala | Val | Asn | His | Ile | Arg | Ser | Val | Trp | Glu | Asp | Leu | Leu | Glu |
| | | 115 | | | | | 120 | | | | | 125 | | | |
| Asp | Thr | Glu | Thr | Pro | Ile | Asp | Thr | Thr | Ile | Met | Ala | Lys | Asn | Glu | Val |
| | 130 | | | | | 135 | | | | | 140 | | | | |
| Phe | Cys | Val | Gln | Pro | Glu | Lys | Gly | Gly | Arg | Lys | Pro | Ala | Arg | Leu | Ile |
| | 145 | | | | 150 | | | | | 155 | | | | 160 | |
| Val | Phe | Pro | Asp | Leu | Gly | Val | Arg | Val | Cys | Glu | Lys | Met | Ala | Leu | Tyr |
| | | | 165 | | | | | | 170 | | | | 175 | | |
| Asp | Val | Val | Ser | Thr | Leu | Pro | Gln | Ala | Val | Met | Gly | Pro | Ser | Tyr | Gly |
| | | 180 | | | | | | 185 | | | | | 190 | | |
| Phe | Gln | Tyr | Ser | Pro | Gly | Gln | Arg | Val | Glu | Phe | Leu | Val | Asn | Thr | Trp |
| | | 195 | | | | | 200 | | | | | 205 | | | |
| Lys | Ser | Lys | Lys | Cys | Pro | Met | Gly | Phe | Ser | Tyr | Asp | Thr | Arg | Cys | Phe |
| | 210 | | | | | 215 | | | | | 220 | | | | |

Asp Ser Thr Val Thr Glu Asn Asp Ile Arg Thr Glu Glu Ser Ile Tyr
 225 230 235 240
 Gln Cys Cys Asp Leu Ala Pro Glu Ala Arg Gln Ala Ile Arg Ser Leu
 245 250 255
 Thr Glu Arg Leu Tyr Val Gly Gly Pro Leu Thr Asn Ser Lys Gly Gln
 260 265 270
 Asn Cys Gly Tyr Arg Arg Cys Arg Ala Ser Gly Val Leu Thr Thr Ser
 275 280 285
 Cys Gly Asn Thr Leu Thr Cys Tyr Leu Lys Ala Thr Ala Ala Cys Arg
 290 295 300
 Ala Ala Lys Leu Gln Asp Cys Thr Met Leu Val Asn Gly Asp Asp Leu
 305 310 315 320
 Val Val Ile Cys Glu Ser Ala Gly Thr Gln Glu Asp Ala Ala Ala Leu
 325 330 335
 Arg Ala Phe Thr Glu Ala Met Thr Arg Tyr Ser Ala Pro Pro Gly Asp
 340 345 350
 Pro Pro Gln Pro Glu Tyr Asp Leu Glu Leu Ile Thr Ser Cys Ser Ser
 355 360 365
 Asn Val Ser Val Ala His Asp Ala Ser Gly Lys Arg Val Tyr Tyr Leu
 370 375 380
 Thr Arg Asp Pro Thr Thr Pro Leu Ala Arg Ala Ala Trp Glu Thr Val
 385 390 395 400
 Arg His Thr Pro Val Asn Ser Trp Leu Gly Asn Ile Ile Met Tyr Ala
 405 410 415
 Pro Thr Leu Trp Ala Arg Met Ile Leu Met Thr His Phe Ser Ile
 420 425 430
 Leu Leu Ala Gln Glu Gln Leu Glu Lys Ala Leu Asp Cys Gln Ile Tyr
 435 440 445
 Gly Ala Cys Tyr Ser Ile Glu Pro Leu Asp Leu Pro Gln Ile Ile Glu
 450 455 460
 Arg Leu His Gly Leu Ser Ala Phe Ser Leu His Ser Tyr Ser Pro Gly
 465 470 475 480
 Glu Ile Asn Arg Val Ala Ser Cys Leu Arg Lys Leu Gly Val Pro Pro
 485 490 495
 Leu Arg Val Trp Arg His Arg Ala Arg Ser Val Arg Ala Lys Leu Leu
 500 505 510
 Ser Gln Gly Gly Arg Ala Ala Thr Cys Gly Lys Tyr Leu Phe Asn Trp
 515 520 525
 Ala Val Lys Thr Lys Leu Lys Leu Thr Pro Ile Pro Ala Ala Ser Gln
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 Leu Asp Leu Ser Gly Trp Phe Val Ala Gly Tyr Asn Gly Gly Asp Ile
 545 550 555 560
 Tyr His Ser Leu Ser Arg Ala Arg Pro Arg Trp Phe Met Leu Cys Leu
 565 570 575
 Leu Leu Leu Ser Val Gly Val Gly Ile Tyr Leu Leu Pro Asn Arg
 580 585 590